

# Converting Colors

XYZ(49.4563, 70.6853,  
103.5061)

Have a look what the booklet for  
XYZ(49.4563, 70.6853, 103.5061)  
contains.

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# Color

**XYZ(49.3228, 70.5325,  
103.1100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F2FC
RGB	0, 242, 252
RGB Percent	0%, 95%, 99%
CMY	0.9997, 0.0510, 0.0118
CMYK	1.00, 0.04, 0.00, 0.01
HSL	182°, 100%, 49%
HSV	182°, 100%, 99%
XYZ	49.3228, 70.5325, 103.1100
YIQ	170.7820, -147.4420, -48.1940

# Conversions

## Conversions Part 2

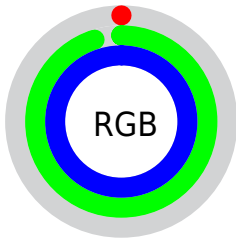
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 123, 252
Decimal	62204
CIELab	87.26, -43.28, -18.37
CIELCh	87, 47.016, 203.001
Yxy	70.5325, 0.2212, 0.3163
Android (android.graphics.Color)	4278252284 (0xFF00F2FC)
YUV	170.7820, 40.0405, -149.7758
Hunter-Lab	83.9836, -42.1400, -14.0041

# Details

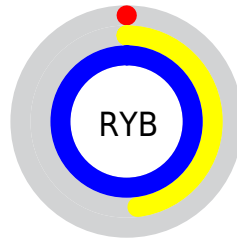
The XYZ color **49.3228, 70.5325, 103.1100** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **40.2552, 20.9146, 1.9174**, and the grayscale version is **38.4699, 40.4733, 44.0754**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **27.1993, 38.6381, 57.6541** is the 20% darker color. If you saturate the color by 10%, you get **49.3232, 70.5328, 103.1114**, and if you desaturate by 10%, it is **50.0303, 71.3418, 103.2303**.

# Distribution



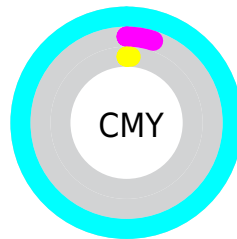
- Red (0%)
- Green (95%)
- Blue (99%)



- Red (0%)
- Yellow (48%)
- Blue (99%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (5%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3228, 70.5325, 103.1100 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 49.3228, 70.5325, 103.1100 by changing the saturation by 10% instead.



49.3228, 70.5325,  
103.1100

49.3228, 70.5325,  
103.1100

374.5076,  
462.4175, 591.4499

35.0912, 51.9608,  
78.2691

88.3685, 119.9678,  
167.5135

23.9000, 36.9738,  
57.7773

113.9134,  
151.6002, 207.9132

15.3838, 25.1872,  
41.2161

143.9600,  
188.3549, 254.3362

9.1772, 16.2166,  
28.1670

178.8738,  
230.6164, 307.2011

4.9150, 9.6775,  
18.2114

219.0201,  
278.7690, 366.9263

2.2317, 5.1857,  
10.9309

264.7643,

0.7594, 2.3566,

333.1971, 433.9305

5.9068

316.4717,  
394.2851, 508.6322

■ 0.0000, 0.8034,  
2.7206

■ 0.0000, 0.0000,  
0.9538

■ 49.3228, 70.5325,  
103.1100

■ 49.3228, 70.5325,  
103.1100

■ 49.3232, 70.5328,  
103.1114

■ 50.0303, 71.3418,  
103.2303

■ 51.2616, 72.4221,  
103.3739

■ 53.1792, 73.8586,  
103.5501

■ 55.8807, 75.7017,  
103.7634

■ 59.4482, 77.9936,  
104.0178

■ 63.9533, 80.7714,  
104.3165

■ 69.4601, 84.0680,  
104.6626

■ 76.0273, 87.9136,  
105.0587

■ 83.7089, 92.3362,  
105.5075

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0858, 70.5325, 69.6195



49.3228, 70.5325, 103.1100



55.0491, 70.5325, 136.3603

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.3228, 70.5325, 103.1100



85.4780, 70.5325, 119.5424



69.6614, 70.5325, 30.8535

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.3228, 70.5325, 103.1100



40.2552, 20.9146, 1.9174

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6545, 70.5325, 37.7333



49.3228, 70.5325, 103.1100



90.4140, 70.5325, 84.4536

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.3228, 70.5325, 103.1100



75.6877, 70.5325, 147.5237



88.5585, 70.5325, 55.3924



59.0756, 70.5325, 33.3023

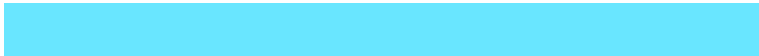


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.3228, 70.5325, 103.1100



61.0176, 70.5325, 150.9160



88.5585, 70.5325, 55.3924



73.4441, 70.5325, 32.0697

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.3250, 70.5351, 103.1117



71.3241, 86.3424, 107.5143



34.8582, 69.6408, 11.8481



14.7282, 18.1609, 22.9791



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.3250, 70.5351, 103.1117



50.6660, 72.4521, 105.9220



24.0080, 19.9012, 94.6727



17.7033, 19.4834, 22.2129



25.7196, 36.7947, 53.7201



2.3999, 3.4435, 4.9814



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56.1738, 27.1084, 86.2788



57.7031, 27.8452, 88.6234



48.7313, 37.8668, 4.7427



17.9615, 17.5120, 21.6532



29.2741, 14.1254, 45.0132

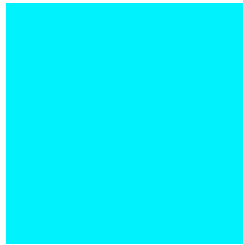


2.7203, 1.3119, 4.2165



# Previews

## White Background



This preview shows how the XYZ color 49.3228, 70.5325, 103.1100 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

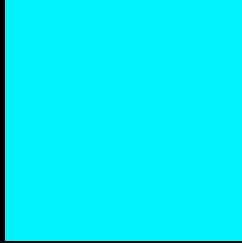
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.3228, 70.5325, 103.1100 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 49.3228, 70.5325, 103.1100

## Background



This preview shows how black text looks on a background with the XYZ color 49.3228, 70.5325, 103.1100.



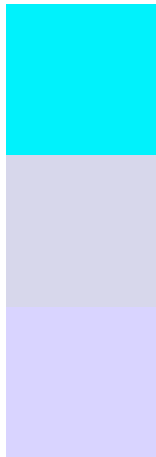
This preview shows how white text looks on a background with the XYZ color 49.3228, 70.5325,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

49.3228, 70.5325, 103.1100

### Protanopia

67.3202, 69.0461, 88.3763

### Deuteranopia

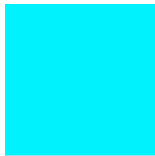
70.2088, 69.0587, 104.2370



## Tritanopia

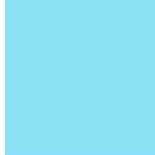
52.8410, 70.5427, 105.4388

# Trichromacy



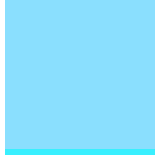
## Original Color

49.3228, 70.5325, 103.1100



## Protanomaly

53.1189, 65.5197, 93.0660



## Deuteranomaly

54.7583, 65.3344, 103.4907



## Tritanomaly

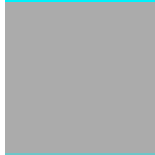
50.4432, 69.7586, 104.5721

# Monochromacy



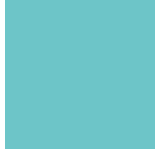
## Original Color

49.3228, 70.5325, 103.1100



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

36.6983, 47.3538, 61.8496

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.3228, 70.5325, 103.1100 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 242, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 252)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 242, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 49.3228, 70.5325, 103.1100 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 242, 252) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 242, 252) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 242, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.3228, 70.5325, 103.1100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 252) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 242,  
252) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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